

Title	Dr.	First Name	Vandana	Last Name	Gandotra	Photograph
Designation	Associate Professor					
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Phone No	Office	011-24112557				
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Educational Qualifications						
Degree	Institution				Year	
PhD	Delhi University				2013	
Career Profile						
Teaching Experience of over 19 years in Delhi University						
Administrative Assignments						
Handling all the Administrative activities of the Department of Computer Science being a teacher In-charge for many years.						
Areas of Interest / Specialization						
Software Engineering						
Subjects Taught						
Subjects taught to Undergraduate Course: B.Sc. (Hons.) Computer Science Microprocessor, Computer System Architecture, DBMS, Software Engineering, Digital Electronics, Computer System Architecture Subjects taught to Undergraduate Course: B.A. Computer Applications Computer Fundamentals Subjects taught to Postgraduate Course: M.C.A. Computer System Architecture, Digital Electronics, Software Engineering						
Publications Profile						
<u>Research Publications</u> 1. VandanaGandotra, ArchanaSinghal, PunamBedi, <i>Layered Security Architecture for Threat Management using Multi-Agent System</i> , ACM SIGSOFT Software Engineering Notes, Volume 36, Number 5, DOI: 10.1145/2020976.2020984, pp.1-11, September 2011. 2. VandanaGandotra, ArchanaSinghaland PunamBedi, <i>MASPTA-O: Multi-Agent System Planning to Avoid Threats Optimally</i> , Information Security Journal: A Global						

Perspective, Taylor& Francis, Volume 20, Issue 6, pp. 290-310, November 2011.

3. PunamBedi, VandanaGandotra, ArchanaSinghal, HimanshiNarang and Sumit Sharma, ***Threat-Oriented Security Framework in Proactive Risk Management using Multi-Agent System***, Journal of Software: Practice and Experience, Wiley Publishers, 2012.
4. PunamBedi, VandanaGandotra, ArchanaSinghal, HimanshiNarang and Sumit Sharma, ***Optimal Countermeasures Identification Method: A New Approach in Secure Software Engineering***, European Journal of Scientific Research, ISSN 1450-216X, Vol.55, No.4 , pp. 527-537, July 2011.
5. VandanaGandotra, ArchanaSinghal, and PunamBedi, ***Identifying Security Requirements Hybrid Technique***, in the Proceedings of the 4th International Conference on Software Engineering Advances (ICSEA),Porto, Portugal, IEEE Computer Society, pp. 407-412, September 2009.
6. PunamBedi, VandanaGandotra, ArchanaSinghal, Vandita Vats and Neha Mishra, ***Avoiding Threats Using Multi Agent System Planning for Web Based System***, in the Proceedings of the 1st International conference on Computational Collective Intelligence – Semantic Web, Social Networks and Multiagent Systems,Wroclaw, Poland, LNAI, Springer-Verlag Berlin Heidelberg, Volume 5796/2009, pp. 709-719,October 2009.
7. VandanaGandotra, ArchanaSinghaland PunamBedi, ***Threat Mitigation, Monitoring and Management Plan - A New Approach in Risk Management***, in the Proceedings of the International Conference on Advances in Recent Technologies in Communication and Computing, India, IEEE Computer Society and ACM Digital Library, pp. 719-723,October 2009.
8. VandanaGandotra, ArchanaSinghal and PunamBedi, ***A Step towards Secure Software System Using Fuzzy Logic***, in the Proceedings of IEEE 2nd International Conference on Computer Engineering and Technology, Chengdu, China, IEEE Explore, pp. 417-422, April 2010.
9. VandanaGandotra, ArchanaSinghal, PunamBedi, ***Cross Threats Evaluation and Control in Proactive Risk Management***, in the Proceedings of International Conference on Security Science and Technology (ICSST), Published in the Journal Energy Procedia (Elsevier), Volume 13, pp. 4253-4262, January 2011.
10. VandanaGandotra, ArchanaSinghaland PunamBedi, ***Threat-Oriented Security Framework: A Proactive Approach in Threat Management***, in the Proceedings of Second International Conference on Computer, Communication, Control and Information Technology, 25-26 February, 2012, West Bengal, India, Accepted and Presented for Publication in the Journal Energy Procedia, Elsevier, February 2012.
11. PunamBedi, VandanaGandotra, ArchanaSinghal, ***Innovative Strategies for Secure Software Development***, Chapter in upcoming Book “Designing, Engineering and Analyzing Reliable and Efficient Software”, IGI Global Press.
12. PunamBedi, VandanaGandotra,ArchanaSinghal, HimanshiNarangand Sumit Sharma, ***MMT-O: Mitigating Multi-Threats Optimally in Proactive Threat Management***, Communicated to Journal of Software: Practice and Experience, Wiley Publishers, 2012.

Conference Organization/ Presentations (in the last three years)

Participated in the Workshop on Foundation Course in Information Technology held at Centre for Professional Development in Higher Education, University of Delhi from 28th may to 30th May, 2013.

Research Projects (Major Grants/Research Collaboration)

Major Project Title: Virtual Screening of Inhibitors Against Hepatitis C Virus

Grant: Rs. 6 lakhs

Funding Agency: University of Delhi

Association With Professional Bodies

Former Member of ACM.

Other Activities

1. As a member of Selection Committee for the appointment of teachers in Delhi University
2. As an expert for UFM cases of Delhi University
3. As a member of Committees for designing syllabus and guidelines for computer science students of Delhi University under semester and FYUP system
4. Member of courses of committee at the departmental at the departmental level of Delhi university.